



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12481953
SAU: MSAD 54
School: Mill Stream Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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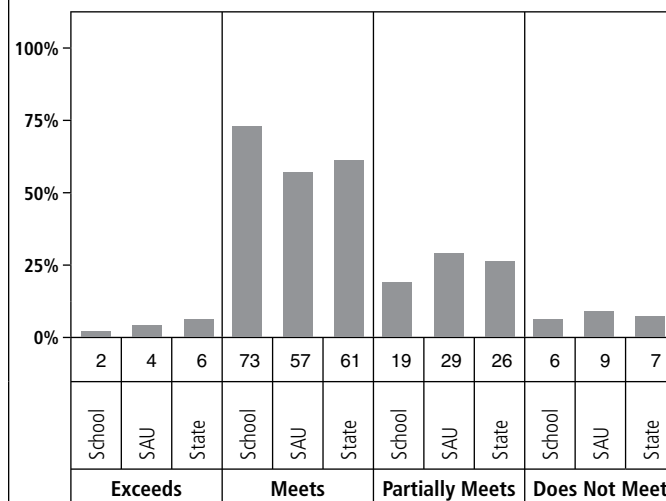
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

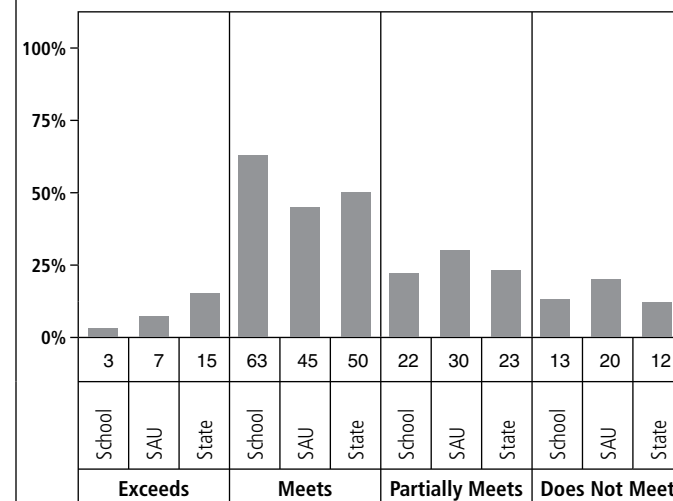
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading 2006–2007 2007–2008 2008–2009 Cum. Avg.*	547	543 542 544 543	544 545 546 545
Mathematics 2006–2007 2007–2008 2008–2009 Cum. Avg.*	545	544 542 542 543	546 546 547 546
Science 2008–2009**	541	540	543

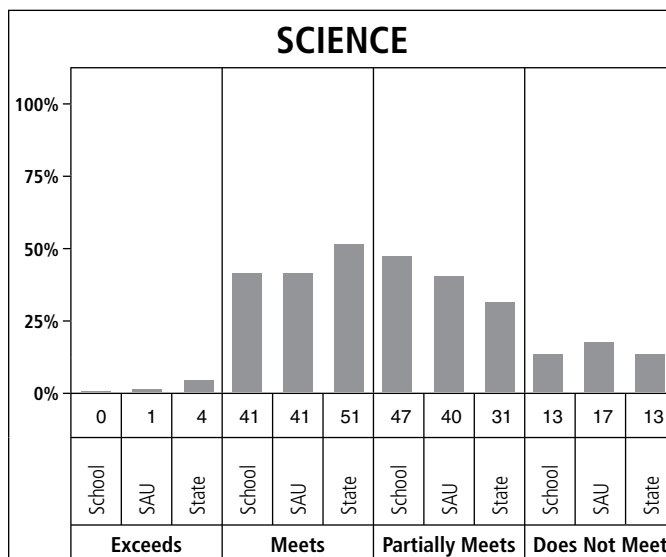
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	64	100	205	100	14212	100	64	100	204	100	14135	100	64	100	203	100	14144	100	64	100	204	100	14137	100
Ethnicity African American/Black	1	2	3	1	397	3	1	100	3	100	388	98	1	100	3	100	393	99	1	100	3	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	2	1	259	2	0	0	2	100	253	98	0	0	2	100	258	100	0	0	2	100	257	99
Hispanic	0	0	3	1	175	1	0	0	2	100	172	99	0	0	2	100	172	99	0	0	2	100	173	99
Caucasian/White	63	98	197	96	13271	93	63	100	197	100	13212	100	63	100	196	99	13211	100	63	100	197	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	15	23	42	20	2479	17	15	100	41	100	2454	100	15	100	41	100	2455	100	15	100	41	100	2451	99
Current LEP	0	0	1	0	374	3	0	0	1	100	359	96	0	0	1	100	370	99	0	0	1	100	366	98
Economically disadvantaged	34	53	110	54	5848	41	34	100	110	100	5815	100	34	100	109	99	5819	100	34	100	110	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	43	67	142	69	10849	76	55	86	155	76	10872	76	55	86	159	78	10976	77
Identified disability (PET/IEP)	5	12	5	4	298	3	6	11	6	4	307	3	6	11	8	5	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	1	2	1	1	123	1	2	4	2	1	121	1	2	4	3	2	126	1
Participation with accommodations	21	33	59	29	3122	22	9	14	45	22	3124	22	9	14	42	20	3019	21
Identified disability (PET/IEP)	10	48	33	56	1992	64	9	100	32	71	2000	64	9	100	30	71	1971	65
LEP	0	0	1	2	184	6	0	0	1	2	196	6	0	0	1	2	184	6
504 plan	1	5	2	3	84	3	0	0	1	2	86	3	0	0	0	0	81	3
Other	10	48	23	39	907	29	0	0	11	24	886	28	0	0	11	26	826	27
Participation through alternate assessment (PAAP)	0	0	3	1	164	1	0	0	3	1	148	1	0	0	3	1	142	1
Identified disability (PET/IEP)	0	0	3	100	164	100	0	0	3	100	148	100	0	0	3	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	1	0	19	0	0	0	1	0	19	0	0	0	1	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	1	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007 2007-2008 2008-2009 Cum. Total*	1	2	10 6 9 25	5 3 4 4	702 659 836 2197	5 5 6 5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007 2007-2008 2008-2009 Cum. Total*	47	73	101 96 115 312	49 47 57 51	7730 8195 8495 24420	55 58 61 58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007 2007-2008 2008-2009 Cum. Total*	12	19	68 77 58 203	33 38 29 33	4182 3800 3667 11649	30 27 26 28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007 2007-2008 2008-2009 Cum. Total*	4	6	29 25 19 73	14 12 9 12	1419 1362 973 3754	10 10 7 9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.6	65.8	29.7	61.9	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.5	64.6	14.6	60.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.1	67.1	15.1	62.9	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	64	1	2	47	73	12	19	4	6	547	201	4	57	29	9	544	13971	6	61	26	7	546
Ethnicity																						
African American/Black	1										3						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										2						252	11	58	21	11	547
Hispanic	0										1						166	4	54	32	10	543
Caucasian/White	63	1	2	47	75	11	17	4	6	547	195	4	58	28	10	544	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	4	27	8	53	3	20	537	38	0	16	53	32	535	2290	0	29	47	23	537
No	49	1	2	43	88	4	8	1	2	549	163	6	67	23	4	546	11681	7	67	22	4	548
Current LEP																						
Yes	0										1						354	1	35	34	30	538
No	64	1	2	47	73	12	19	4	6	547	200	5	57	29	10	544	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	34	0	0	22	65	9	26	3	9	545	108	2	52	32	14	543	5716	2	51	35	12	542
No	30	1	3	25	83	3	10	1	3	549	93	8	63	25	4	546	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	64	1	2	47	73	12	19	4	6	547	201	4	57	29	9	544	13963	6	61	26	7	546
Gender																						
Female	30	0	0	25	83	3	10	2	7	548	107	4	57	33	7	545	6882	8	62	24	6	547
Male	34	1	3	22	65	9	26	2	6	545	94	5	57	24	13	544	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	16	0	0	12	75	4	25	0	0	545	33	0	52	42	6	542	1914	1	41	44	14	540
No	48	1	2	35	73	8	17	4	8	547	168	5	58	26	10	545	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	64	1	2	47	73	12	19	4	6	547	201	4	57	29	9	544	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	2	40	3	60	0	0	541	5	0	40	40	20	539	4	2	40	34	24	540
B. less than one hour	55	1	3	28	80	4	11	2	6	548	61	5	61	26	8	545	70	6	63	26	6	546
C. one to two hours	34	0	0	17	77	4	18	1	5	546	29	5	57	30	7	545	24	7	61	26	6	546
D. more than two hours	3	0	0	0	0	1	50	1	50	534	5	0	50	30	20	539	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	1	4	21	84	2	8	1	4	550	35	7	68	19	6	547	36	10	67	18	5	549
B. good	50	0	0	22	69	7	22	3	9	545	48	3	59	30	9	544	47	5	62	27	6	546
C. fair	11	0	0	4	57	3	43	0	0	543	16	0	39	42	19	540	15	2	47	40	12	541
D. poor	0										1	0	50	50	0	539	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	39	1	4	21	84	3	12	0	0	551	33	6	66	25	3	547	31	9	65	20	5	548
B. They match some of what I have learned.	50	0	0	23	72	6	19	3	9	545	51	2	59	28	11	544	55	5	63	27	5	546
C. They match just a little of what I have learned.	9	0	0	3	50	2	33	1	17	539	12	8	46	33	13	542	10	3	45	38	14	542
D. There is no match.	2	0	0	0	0	1	100	0	0	534	4	0	38	38	25	537	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	13	0	0	3	38	3	38	2	25	539	11	0	32	32	36	537	16	3	49	32	15	542
B. about the same as my regular schoolwork	63	1	3	30	75	7	18	2	5	547	62	7	59	29	5	546	64	7	63	25	5	547
C. easier than my regular schoolwork	24	0	0	14	93	1	7	0	0	550	26	2	69	24	6	546	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	13	0	0	3	38	4	50	1	13	538	11	0	24	43	33	535	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	55	0	0	29	83	4	11	2	6	546	56	3	61	28	8	544	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	33	1	5	15	71	4	19	1	5	550	33	9	65	23	3	549	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	23	0	0	11	73	2	13	2	13	547	20	5	58	30	8	545	20	10	64	21	5	548
B. 20 minutes to an hour	58	1	3	29	78	6	16	1	3	548	60	6	60	27	7	546	56	7	65	24	5	547
C. less than 20 minutes	9	0	0	3	50	2	33	1	17	538	10	0	50	20	30	539	10	3	52	33	12	543
D. I rarely read at home.	9	0	0	4	67	2	33	0	0	544	9	0	56	39	6	542	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	32	1	5	17	85	1	5	1	5	549	30	2	63	25	11	545	25	3	53	33	11	543
B. six to ten pages	25	0	0	10	63	5	31	1	6	544	32	5	51	36	8	543	26	6	61	26	7	546
C. eleven or more pages	43	0	0	19	70	6	22	2	7	547	38	7	59	25	10	545	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										25	0	100	0	0	544						
C.	0										25	0	0	100	0	532						
D.	100	0	0	0	0	1	100	0	0	534	50	50	0	50	0	553						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007 2007-2008 2008-2009 Cum. Total*	2	3	16 18 13 47	8 9 7 8	1711 1617 2119 5447	12 12 15 13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007 2007-2008 2008-2009 Cum. Total*	40	63	99 88 89 276	48 43 45 45	6778 7284 7046 21108	48 52 50 50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007 2007-2008 2008-2009 Cum. Total*	14	22	63 66 59 188	30 32 30 31	3884 3341 3193 10418	28 24 23 25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007 2007-2008 2008-2009 Cum. Total*	8	13	30 32 39 101	14 16 20 17	1683 1778 1638 5099	12 13 12 12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	24.1	50.2	22.5	46.9	25.5	53.1
A. Number	18	38	9.3	51.7	8.4	46.7	9.8	54.4
B. Data	10	21	4.4	44.0	4.4	44.0	5.2	52.0
C. Geometry	10	21	4.8	48.0	4.4	44.0	4.7	47.0
D. Algebra	10	21	5.6	56.0	5.3	53.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 54
 School: Mill Stream Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	64	2	3	40	63	14	22	8	13	545	200	7	45	30	20	542	13996	15	50	23	12	547
Ethnicity																						
African American/Black	1										3						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										2						257	19	50	20	12	548
Hispanic	0										1						166	9	43	31	17	543
Caucasian/White	63	2	3	40	63	13	21	8	13	545	194	6	45	29	20	542	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	7	47	5	33	3	20	539	38	0	26	42	32	533	2307	3	32	32	33	536
No	49	2	4	33	67	9	18	5	10	546	162	8	49	27	17	544	11689	17	54	21	8	549
Current LEP																						
Yes	0										1						365	5	33	30	32	536
No	64	2	3	40	63	14	22	8	13	545	199	7	44	30	20	542	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	34	1	3	19	56	7	21	7	21	542	107	6	41	28	25	540	5731	7	46	29	18	542
No	30	1	3	21	70	7	23	1	3	547	93	8	48	31	13	544	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	64	2	3	40	63	14	22	8	13	545	200	7	45	30	20	542	13988	15	50	23	12	547
Gender																						
Female	30	1	3	21	70	4	13	4	13	545	106	8	44	23	25	541	6889	14	51	23	12	546
Male	34	1	3	19	56	10	29	4	12	544	94	4	45	37	14	543	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	16	1	6	7	44	3	19	5	31	540	32	3	34	25	38	535	1918	3	39	36	22	539
No	48	1	2	33	69	11	23	3	6	546	168	7	46	30	16	543	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	64	2	3	40	63	14	22	8	13	545	200	7	45	30	20	542	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	1	20	2	40	2	40	0	0	547	5	10	50	30	10	541	4	8	38	26	28	539
B. less than one hour	55	1	3	25	71	7	20	2	6	547	61	7	46	29	18	542	70	15	52	23	10	547
C. one to two hours	34	0	0	12	55	5	23	5	23	541	29	7	39	30	23	541	24	15	51	23	11	547
D. more than two hours	3	0	0	1	50	0	0	1	50	536	5	0	60	20	20	542	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	37	1	4	16	70	5	22	1	4	548	40	8	58	23	12	546	34	28	50	14	8	552
B. good	42	0	0	18	69	5	19	3	12	544	39	7	43	33	17	542	45	11	54	24	10	546
C. fair	18	0	0	4	36	4	36	3	27	537	18	3	23	34	40	533	18	3	45	33	19	540
D. poor	3	0	0	1	50	0	0	1	50	536	3	0	33	33	33	536	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	42	1	4	15	56	8	30	3	11	546	35	10	46	32	12	545	38	22	52	19	7	550
B. They match some of what I have learned.	52	1	3	23	70	5	15	4	12	545	49	6	52	26	16	543	48	12	53	24	11	546
C. They match just a little of what I have learned.	3	0	0	1	50	0	0	1	50	531	11	0	18	27	55	530	11	6	40	30	24	540
D. There is no match.	3	0	0	1	50	1	50	0	0	543	5	0	33	44	22	536	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	20	1	8	5	38	3	23	4	31	541	22	7	26	31	36	537	17	7	42	30	21	540
B. about the same as my regular schoolwork	69	1	2	31	70	9	20	3	7	546	63	7	53	28	13	544	64	15	53	23	10	547
C. easier than my regular schoolwork	11	0	0	4	57	2	29	1	14	541	15	7	40	33	20	541	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	11	0	0	5	71	1	14	1	14	544	13	0	28	36	36	532	7	6	39	27	27	539
B. 30–45 minutes	42	2	7	14	52	6	22	5	19	543	43	7	41	32	20	541	28	9	49	28	15	544
C. 45–60 minutes	42	0	0	19	70	6	22	2	7	546	36	7	55	24	14	545	41	17	53	21	9	548
D. more than 60 minutes	5	0	0	2	67	1	33	0	0	545	8	13	47	27	13	547	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	0										3	0	20	20	60	526	6	14	43	24	20	543
B. two or three days a week	6	0	0	1	25	1	25	2	50	531	7	0	38	23	38	534	24	17	52	21	10	548
C. two or three times each month	23	1	7	7	47	4	27	3	20	542	32	5	44	30	21	542	33	17	52	21	9	548
D. never or almost never	70	1	2	32	71	9	20	3	7	547	59	9	47	30	15	544	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	14	0	0	3	33	3	33	3	33	535	15	0	38	31	31	536	23	13	47	26	15	545
B. two or three days a week	22	0	0	8	57	3	21	3	21	541	29	5	45	32	18	542	31	17	52	21	10	548
C. two or three times each month	36	1	4	14	61	6	26	2	9	546	31	8	40	32	20	542	27	17	52	21	10	548
D. never or almost never	28	1	6	15	83	2	11	0	0	551	26	10	55	22	14	544	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										25	0	0	0	100	508						
C.	0										25	0	0	0	100	508						
D.	100	0	0	1	100	0	0	0	0	546	50	0	100	0	0	553						

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	0	0	2	1	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	26	41	83	41	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	30	47	81	40	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	8	13	35	17	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	27.5	57.3	27.1	56.5	29.2	60.8
D. The Physical Setting	24	50	11.8	49.2	11.8	49.2	12.9	53.8
E. The Living Environment	24	50	15.8	65.8	15.3	63.8	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	64	0	0	26	41	30	47	8	13	541	201	1	41	40	17	540	13995	4	51	31	13	543
Ethnicity																						
African American/Black	1										3						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										2						256	5	51	27	17	542
Hispanic	0										1						167	1	40	37	22	539
Caucasian/White	63	0	0	25	40	30	48	8	13	540	195	1	41	41	18	540	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	5	33	7	47	3	20	537	38	0	26	47	26	536	2309	2	29	39	29	536
No	49	0	0	21	43	23	47	5	10	542	163	1	45	39	15	541	11686	5	56	30	10	545
Current LEP																						
Yes	0										1						361	1	23	32	44	533
No	64	0	0	26	41	30	47	8	13	541	200	1	41	41	18	540	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	34	0	0	13	38	15	44	6	18	540	108	0	36	43	21	538	5729	2	42	37	20	539
No	30	0	0	13	43	15	50	2	7	541	93	2	47	38	13	542	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	64	0	0	26	41	30	47	8	13	541	201	1	41	40	17	540	13987	4	51	31	13	543
Gender																						
Female	30	0	0	8	27	17	57	5	17	539	107	0	34	44	22	538	6886	4	49	33	14	542
Male	34	0	0	18	53	13	38	3	9	542	94	2	50	36	12	542	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	16	0	0	3	19	9	56	4	25	536	33	0	27	39	33	534	1917	1	31	41	28	536
No	48	0	0	23	48	21	44	4	8	542	168	1	44	40	14	541	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	64	0	0	26	41	30	47	8	13	541	201	1	41	40	17	540	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 54
School: Mill Stream Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	3	60	0	0	2	40	539	5	0	50	20	30	538	4	2	37	35	25	538
B. less than one hour	55	0	0	13	37	20	57	2	6	542	61	2	38	44	16	540	70	4	53	31	12	544
C. one to two hours	34	0	0	10	45	9	41	3	14	539	29	0	43	41	16	540	24	5	51	31	12	544
D. more than two hours	3	0	0	0	0	1	50	1	50	532	5	0	60	20	20	544	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	42	0	0	12	44	12	44	3	11	541	35	1	41	38	19	540	26	7	56	26	11	545
B. good	34	0	0	9	41	13	59	0	0	542	44	1	45	41	13	541	53	4	53	31	11	544
C. fair	22	0	0	5	36	5	36	4	29	539	19	0	32	47	21	538	18	2	41	39	17	540
D. poor	2	0	0	0	0	0	0	1	100	520	2	0	67	0	33	540	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	14	0	0	3	33	6	67	0	0	540	21	2	38	45	14	541	23	5	56	28	11	544
B. They match some of what I have learned.	39	0	0	9	36	13	52	3	12	540	44	1	45	40	14	541	48	5	52	31	12	544
C. They match just a little of what I have learned.	33	0	0	9	43	9	43	3	14	541	26	0	38	40	22	538	23	4	49	33	14	543
D. There is no match.	14	0	0	5	56	2	22	2	22	541	9	0	39	39	22	539	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	39	0	0	13	52	8	32	4	16	542	24	0	48	37	15	541	23	5	48	31	16	543
B. about the same as my regular schoolwork	41	0	0	10	38	13	50	3	12	540	54	1	41	42	16	540	58	4	52	32	12	543
C. easier than my regular schoolwork	20	0	0	3	23	9	69	1	8	539	22	2	37	42	19	540	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	14	0	0	6	67	3	33	0	0	546	27	0	40	42	19	540	33	5	51	31	14	543
B. a few times a week	48	0	0	11	35	18	58	2	6	540	50	1	41	43	14	540	45	4	52	32	11	544
C. once a week	5	0	0	0	0	3	100	0	0	539	7	7	50	43	0	546	8	4	50	30	16	542
D. a few times a month	33	0	0	9	43	6	29	6	29	539	16	0	42	29	29	538	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	21	0	0	6	46	4	31	3	23	539	32	0	38	44	17	539	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	21	0	0	3	23	8	62	2	15	536	19	0	24	53	24	536	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	38	0	0	10	42	14	58	0	0	543	30	2	47	39	12	542	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	21	0	0	6	46	4	31	3	23	541	18	3	54	26	17	543	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	41	0	0	11	42	12	46	3	12	541	45	1	41	43	15	540	47	4	51	32	12	543
B. a few times a month	28	0	0	8	44	10	56	0	0	543	29	2	42	47	9	542	27	5	54	30	11	544
C. once a month	13	0	0	3	38	3	38	2	25	539	12	0	39	26	35	536	10	5	49	30	15	543
D. never or almost never	19	0	0	4	33	5	42	3	25	537	14	0	43	32	25	537	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	27	0	0	8	47	8	47	1	6	542	38	1	42	40	16	540	46	4	52	32	12	543
B. a few times a month	41	0	0	9	35	14	54	3	12	540	35	0	40	45	15	541	28	5	53	30	12	544
C. once a month	11	0	0	1	14	4	57	2	29	535	12	5	23	50	23	537	11	4	47	34	15	542
D. never or almost never	21	0	0	7	54	4	31	2	15	541	15	0	55	28	17	541	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										25	0	0	0	100	500						
C.	0										25	0	0	0	100	514						
D.	100	0	0	0	0	0	0	1	100	528	50	0	50	0	50	544						

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N = Number